

## ABSTRACT OF THE DISCLOSURE

### NANOEMULSION CONTAINING NONIONIC POLYMERS, AND ITS USES

These objects and others may be accomplished with the present invention, the first

5 embodiment of which provides an oil-in-water nanoemulsion, which includes:

an oily phase dispersed in an aqueous phase;

(i) at least one amphiphilic lipid selected from the group including nonionic amphiphilic lipids, anionic amphiphilic lipids, and combinations thereof; and

10 (ii) at least one water-soluble nonionic polymer selected from the group including homopolymers and copolymers of ethylene oxide; polyvinyl alcohols; homopolymers and copolymers of vinylpyrrolidone; homopolymers and copolymers of vinylcaprolactam; homopolymers and copolymers of polyvinyl methyl ether; neutral acrylic homopolymers and copolymers; C<sub>1</sub>-C<sub>2</sub> alkyl celluloses and their derivatives; C<sub>1</sub>-C<sub>3</sub> alkyl guar; C<sub>1</sub>-C<sub>3</sub> hydroxyalkyl guar; and combinations thereof;

wherein a ratio of the weight of the oily phase to the weight of the amphiphilic lipid (i) ranges from 1.2 to 10;

15 and wherein the oily phase includes oil globules having a number-average size of less than 100 nm. The nanoemulsion obtained is preferably transparent and stable on storage. It may form a composition for topical, preferably cosmetic or dermatological compositions, pharmaceutical compositions and ophthalmological compositions.

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